

FIG. 1A

```

graph TD
    A[DEFINE SITE LOCATIONS, SITE NAMES AND  
NUMBER OF USERS PER SITE] --> B1((B1))
    B1 --> B2{IS SITE LARGE (GTR  
10,000 USERS)  
?}
    B2 -- YES --> B3[DEVELOP FARM SUBDIVISION INPUTS ON NUMBER OF  
CONCURRENT USERS, AVAILABILITY GOAL, TYPICAL  
USER TYPES AND SERVER PREFERENCE]
    B2 -- NO --> C[DEVELOP, FOR EACH SITE, SERVER FARM INFORMATION  
ON INPUT NAME, PRIMARY ROLE OF FARM, NUMBER OF  
CONCURRENT USERS PER FARM, AND FARM FEATURES  
AND CAPABILITIES]
    B3 --> C
    C --> D[DEFINE, FOR EACH SITE/SERVER FARM PAIR, THE  
USER TYPES AND USER TYPE TYPING SPEEDS INVOLVED]
    D --> DE((DE))

```

**FIG. 1B**

DE

DEFINE, FOR EACH SITE/SERVER FARM PAIR, THE APPLICATIONS TO BE USED AND THE DISK SPACE INSTALLATION REQUIREMENTS NEEDED IN MEGABYTES, MEMORY REQUIREMENTS IN MEGABYTES AND CERTAIN SPECIFIC APPLICATION PARAMETERS

(E)

DETERMINE FOR EACH SITE/SERVER FARM PAIR, USER-TO-APPLICATION RELATIONSHIPS BY DISTRIBUTING THE CONCURRENT NUMBER OF USERS PER FARM AMONG THE USER-TYPE APPLICATIONS WHICH DEFINED THE FARM

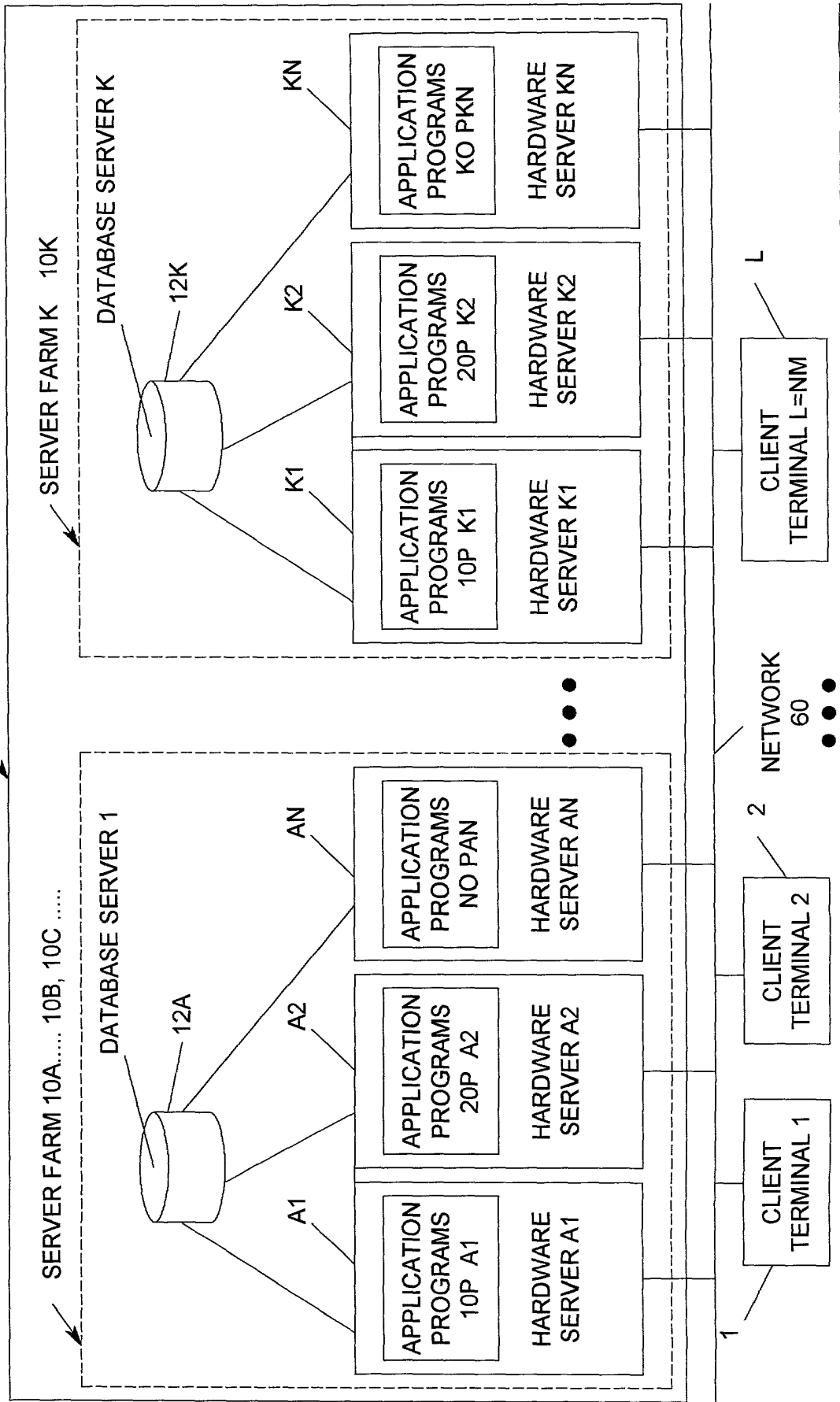
(F)

GENERATING A CONFIGURATION SOLUTION WHICH REPORTS AND DISPLAYS: ADJUSTED NUMBER OF CONCURRENT USERS BASED ON USER TYPES/APPLICATION TYPES AND HOW THEY ARE WEIGHTED, NUMBER OF SERVERS REQUIRED, AMOUNT OF MEMORY REQUIRED, AMOUNT OF DISK SPACE REQUIRED, ESTIMATED NETWORK UTILIZATION, PLUS INFORMATION ON AVAILABILITY FACTORS, OPTION SOFTWARE AND LICENSING RECOMMENDATIONS.

(G)

FIG. 1C

SERVER METAFARM 8



E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR					<input type="checkbox"/>	X
FILE	VIEW	HELP				
READY			CAPS	11/6/2000	11:41AM	

FIG. 3

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR							X
FILE VIEW HELP							
NEW OPEN CLOSE SAVE SAVE AS							
PRINT SETUP PRINT PREVIEW PRINT							
1 C:\PROGRAM FILES\TCS\IZING\PATENT\CONFIG11-9.TSC 2 C:\THINCLIENT\PATENT\CUST3K.TSC 3 C:\PROGRAM FILES\MICROSOFT\VISUAL STUDIO\VB98\CONFIG140.TSC 4 C:\THINCLIENT\PATENT\SIMPLESIMONEXAMPLE.TSC							
EXIT							
READY				CAPS	11/13/2000	11:28AM	

FIG. 3A

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	<input type="checkbox"/> X
<div style="display: flex; justify-content: space-between;"> <span>FILE</span> <span>EDIT</span> <span>VIEW</span> <span>WINDOW</span> <span>HELP</span> </div>					
<div style="display: flex; justify-content: space-between;"> <span>CONFIG 1</span> <span>?</span> <span>X</span> </div>					
<div style="display: flex; justify-content: space-between;"> <span>NETWORK UTILIZATION</span> <span>DISK CAPACITY</span> <span>LICENSES</span> </div>					
<div style="display: flex; justify-content: space-between;"> <span>BASE SOLUTION</span> <span>AVAILABILITY</span> <span>OPTIONAL SOFTWARE</span> </div>					
<div style="display: flex; justify-content: space-between;"> <span>INTRODUCTION</span> <span>INTERVIEW</span> <span>CUSTOMER DATA</span> </div>					
<p>THE CONFIGURATOR GUIDES YOU THROUGH AN INTERVIEW IN WHICH YOU GATHER THE INFORMATION NEEDED TO DEVELOP A SET OF SOLUTIONS THAT MATCH A CUSTOMER'S PERFORMANCE REQUIREMENTS BUT PROVIDE DIFFERENT AVAILABILITY LEVELS. INFORMATION IS COLLECTED ON A CUSTOMER'S SITES, SERVER FARMS, USER TYPES, AND APPLICATION TYPES. THE FOLLOWING DIAGRAM DEPICTS THE RELATIONSHIP BETWEEN THESE COMPONENTS.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="border: 1px solid black; padding: 10px; width: 45%;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="border: 1px solid black; padding: 2px 5px;">+</span> <span>LOS ANGELES SITE</span> </div> <div style="height: 150px; border: 1px solid black; margin-top: 10px;"></div> </div> <div style="border: 1px solid black; padding: 10px; width: 45%;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span style="border: 1px solid black; padding: 2px 5px;">-</span> <span>CHICAGO SITE</span> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">-</div> <div style="text-align: center;">             ADMINISTRATIVE SERVER FARM              MANAGERS              MS WORD              MS ACCESS              MS PROJECT              SUPPORT PERSONNEL           </div> </div> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <span>READY</span> <span>CAPS</span> <span>11/6/2000</span> <span>11:41AM</span> </div>					

FIG. 4

<b>E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR</b>				_	<input type="checkbox"/>	X
<div style="display: flex; justify-content: space-between;"> <span>FILE</span> <span>EDIT</span> <span>VIEW</span> <span>WINDOW</span> <span>HELP</span> </div>						
<div style="display: flex; justify-content: space-between;"> <span>CONFIG 1</span> <span>?</span> <span>X</span> </div>						
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>SIZING WIZARD</b></p> <p><b>INTERVIEW CATEGORIES</b></p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <input type="checkbox"/> SITES  <input type="checkbox"/> SERVER FARMS  <input type="checkbox"/> USER TYPES  <input type="checkbox"/> APPLICATION TYPES  <input type="checkbox"/> USER TO APPLICATION RELATIONSHIPS                 </div> </div> <div style="width: 65%;"> <p>YOU WILL BE LED THROUGH A SERIES OF STEPS THAT WILL ALLOW YOU TO DEFINE A CUSTOMER'S SIZING REQUIREMENTS.</p> <p>THE INTERVIEW CATEGORIES THAT HAVE BEEN PREVIOUSLY COMPLETED ARE INDICATED WITH A CHECK NEXT TO THE CATEGORY NAME.</p> <p>IF YOU WISH TO JUMP DIRECTLY TO A SPECIFIC INTERVIEW CATEGORY, CLICK ON THE CATEGORY NAME IN THE BOX TO THE LEFT.</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 5px 10px;">VIEW</div> <div style="border: 1px solid black; padding: 5px 10px;">&lt;BACK</div> <div style="border: 1px solid black; padding: 5px 10px;">NEXT&gt;</div> <div style="border: 1px solid black; padding: 5px 10px;">HELP</div> </div> </div>						
<div style="display: flex; justify-content: space-between;"> <span>READY</span> <span>CAPS</span> <span>11/6/2000</span> <span>11:41AM</span> </div>						

FIG. 5



CURRENT CUSTOMER OVERVIEW		?	X
<input type="checkbox"/> +	..... CHICAGO SITE		
<input type="checkbox"/> -	..... LOS ANGELES SITE		
<input type="checkbox"/> -	..... MS OFFICE SERVER FARM		
<input type="checkbox"/> +	..... DEVELOPERS		
<input type="checkbox"/> +	..... SUPPORT PERSONNEL		
<input type="checkbox"/> -	..... PAYROLL SERVER FARM		
<input type="checkbox"/> +	..... TELEMARKETING REPS		
<div>OK</div>			

FIG. 6

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR										_	<input type="checkbox"/>	X												
<div style="display: flex; justify-content: space-between;"> <span>FILE   E<u>D</u>IT   <u>V</u>IEW   <u>W</u>INDOW   <u>H</u>ELP</span> </div>																								
CONFIG 1										?	X													
NETWORK UTILIZATION				DISK CAPACITY				LICENSES																
BASE SOLUTION				AVAILABILITY				OPTIONAL SOFTWARE																
INTRODUCTION				INTERVIEW				CUSTOMER DATA																
<p><b>SITES</b></p> <p>_____</p> <p>A SITE IS THE PHYSICAL LOCATION WHERE THE WINDOWS TERMINAL SERVER(S) WILL BE LOCATED SUCH AS LOS ANGELES OR CHICAGO.</p> <p>PLEASE FILL IN THE FOLLOWING INFORMATION FOR EACH OF THE CUSTOMER'S SITES.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"> </th> <th style="width: 25%;">SITE NAME</th> <th style="width: 35%;">LOCATION</th> <th style="width: 35%;">NO OF USERS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>CHICAGO</td> <td>5550 MAIN STREET</td> <td style="text-align: center;">500</td> </tr> <tr> <td style="text-align: center;">2</td> <td>LOS ANGELES</td> <td>123 SOUTH BOOKSTONE STREET</td> <td style="text-align: center;">1000</td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px 15px;">VIEW</div> <div style="border: 1px solid black; padding: 5px 15px;">&lt;B<u>A</u>CK</div> <div style="border: 1px solid black; padding: 5px 15px;">N<u>E</u>XT&gt;</div> <div style="border: 1px solid black; padding: 5px 15px;">H<u>E</u>L<u>P</u></div> </div>														SITE NAME	LOCATION	NO OF USERS	1	CHICAGO	5550 MAIN STREET	500	2	LOS ANGELES	123 SOUTH BOOKSTONE STREET	1000
	SITE NAME	LOCATION	NO OF USERS																					
1	CHICAGO	5550 MAIN STREET	500																					
2	LOS ANGELES	123 SOUTH BOOKSTONE STREET	1000																					
<div style="display: flex; justify-content: space-between;"> <span>READY</span> <span>CAPS   11/6/2000   11:41AM</span> </div>																								

FIG. 7

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	<input type="checkbox"/>	X
FILE   EDIT   VIEW   WINDOW   HELP						
CONFIG 1		?	X			
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<p><b>SERVER FARMS</b></p> <p>A SERVER FARM CONSISTS OF ONE OR MORE WINDOWS TERMINAL SERVERS CONFIGURED TOGETHER FOR UNIFIED ADMINISTRATION, SECURITY, AND COMMUNICATION SERVICES. A SERVER FARM DEFINITION CONTAINS INFORMATION ON ITS ROLE AND THE OPTIONAL FEATURES/CAPABILITIES THAT IT MAY REQUIRE. ALSO DEFINED FOR EACH SERVER FARM ARE THE TYPES OF USERS AND THE APPLICATIONS THEY WILL BE RUNNING. RECOMMENDATIONS ON SUBDIVIDING A LARGE GROUP OF USERS INTO MANAGEABLE-SIZED SERVER FARMS ARE AVAILABLE AFTER CLICKING ON A SITE BELOW.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 20px;"> <div style="width: 30%;"> <p>CLICK ON A SITE TO DEFINE ITS SERVER FARMS.....</p> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">CHICAGO LOS ANGELES</div> <div style="display: flex; align-items: center;"> <input type="checkbox"/> <div style="margin-left: 5px;">RECOMMEND METAFARM SUBDIVISIONS</div> </div> </div> </div> <div style="width: 30%; text-align: center;"> <div style="margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 5px 10px;">VIEW</div> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 5px 10px;">&lt;BACK</div> <div style="border: 1px solid black; padding: 5px 10px;">NEXT&gt;</div> </div> </div> <div style="border: 1px solid black; padding: 5px 10px; margin-left: auto;">HELP</div> </div> </div>						
READY				CAPS	11/6/2000	11:41AM

FIG. 8

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR		<input type="checkbox"/>	<input type="checkbox"/>	X
FILE    EDIT    VIEW    WINDOW    HELP				
METAARM SIZING FOR SITE LOS ANGELES				
THIS PAGE WILL HELP SUBDIVIDE LARGE SITES OR FARMS INTO SMALLER, MANAGEABLE-SIZED FARMS. THESE RECOMMENDATIONS SHOULD BE USED IN THE INTERVIEW PROCESS TO FURTHER DEFINE A CUSTOMER'S CONFIGURATION SIZING REQUIREMENTS.				
<div><div>INPUT PARAMETERS</div><div><div>TOTAL CONCURRENT USERS</div><div>1000</div></div><div><div>AVAILABILITY GOAL</div><div>99.99</div></div><div><div>SERVER PREFERENCE</div><div>ES7000-4X(700 MHZ, W2K)</div></div><div><div>TYPICAL USER</div><div><div><input type="radio"/> SUPER HEAVY (WORST CASE)</div><div><input checked="" type="radio"/> HEAVY</div><div><input type="radio"/> MEDIUM</div><div><input type="radio"/> LIGHT (BEST CASE)</div></div></div></div> <div><div>RECALCULATE</div><div>OK</div><div>CANCEL</div><div>PRINT</div></div>				
READY		CAPS	11/6/2000	11:41AM

FIG. 9A

**FIG. 9B**

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR		<input type="checkbox"/>	<input type="checkbox"/>	X
FILE EDIT VIEW WINDOW HELP				
SERVER FARM FOR LOS ANGELES		?	X	
DESCRIPTION		FEATURES/CAPABILITIES		
DESCRIPTION OF THE SERVER FARM				
ENTER OR SELECT SERVER FARM NAME:				
META-SUBFARM001		▼		
RENAME SERVER FARM		DELETE SERVER FARM		
PRIMARY ROLE OF THE SERVER FARM:				
OTHER		▼		
CONCURRENT NUMBER OF USERS:				
1000				
(I.E. - NUMBER OF USERS ACTIVELY PROCESSING SIMULTANEOUSLY ON THE SERVER FARM)				
OK CANCEL APPLY HELP				
READY		CAPS		11/6/2000 11:41AM

FIG. 10A

E-@ACTION APPLICATION DELIVERY SOLUTION CONFIGURATOR		<input type="checkbox"/>	<input checked="" type="checkbox"/>
FILE EDIT VIEW WINDOW HELP			
SERVER FARM FOR LOS ANGELES		?	X
DESCRIPTION		FEATURES/CAPABILITIES	
DESCRIPTION OF THE SERVER FARM			
ENTER OR SELECT SERVER FARM NAME:			
MS OFFICE		▼	
NEW			
APPLICATION SERVER		▼	
PRIMARY ROLE OF THE SERVER FARM:			
CONCURRENT NUMBER OF USERS:		800	
(I.E. - NUMBER OF USERS ACTIVELY PROCESSING SIMULTANEOUSLY ON THE SERVER FARM)			
OK		CANCEL	HELP
APPLY			
READY		CAPS	11/6/2000 11:41AM

FIG. 10B

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR		<input type="checkbox"/>	<input checked="" type="checkbox"/>	X
FILE   EDIT   VIEW   WINDOW   HELP				
SERVER FARM FOR LOS ANGELES		?	X	
DESCRIPTION		FEATURES/CAPABILITIES		
FEATURE/CAPABILITY OPTIONS FOR THE SERVER FARM				
IF ANY OF THE FOLLOWING OPTIONS ARE CHECKED, THE CITRIX METAFRAME ADD-ON WILL BE REQUIRED.				
PLEASE CHECK ALL FEATURES/CAPABILITIES THAT ARE NEEDED:				
<input type="checkbox"/> CLIENT ENHANCEMENTS - TAPI SUPPORT				
<input type="checkbox"/> CLIENT ENVIRONMENT SUPPORT - DOS				
<input type="checkbox"/> CLIENT ENVIRONMENT SUPPORT - JAVA				
<input type="checkbox"/> CLIENT ENVIRONMENT SUPPORT - MACINTOSH				
<input type="checkbox"/> CLIENT ENVIRONMENT SUPPORT - UNIX				
<div>OK   CANCEL   APPLY   HELP</div>				
READY		CAPS		11/6/2000   11:41AM

FIG. 11



E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				<input type="checkbox"/>	X	
FILE	EDIT	VIEW	WINDOW	HELP		
CONFIG 1					?	X
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<p>USER TYPES _____</p> <p>A USER TYPE EMBODIES THE USAGE PATTERNS OF A GROUP OF USERS. USER USAGE PATTERNS HAVE A SIGNIFICANT IMPACT ON PERFORMANCE. SOME OF THE AREAS CONSIDERED ARE TYPING SPEED AND EXECUTION OF CONCURRENT APPLICATIONS.</p> <p>CLICK ON A SITE, THEN CLICK ON A SERVER FARM TO DEFINE ITS USER TYPES.</p> <p>SELECT A SITE:</p> <div>CHICAGO LOS ANGELES</div> <p>SELECT A SERVER FARM:</p> <div>MS OFFICE PAYROLL</div> <p><input type="button" value="VIEW"/> <input type="button" value="NEXT&gt;"/> <input type="button" value="HELP"/></p>						
READY					CAPS	11/6/2000 11:41AM

FIG. 12

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

FILE

EDIT

VIEW

WINDOW

HELP

X

MS OFFICE SERVER FARM FOR LOS ANGELES

?

X

ASSIGN USER TYPES

DEFINE USER TYPES

USER TYPE ASSIGNMENT

AVAILABLE USER TYPES:

DEVELOPERS  
EXECUTIVE ASSISTANTS  
ORDER ENTRY CLERKS  
POINT OF SALE CLERKS  
SECRETARIES  
TECHNICAL WRITERS  
TELEMARKETING REPS  
TESTER  
TESTERS

ADD >>

<<REMOVE

MS OFFICE USER TYPES

DEVELOPERS

OK

CANCEL

APPLY

HELP

READY

CAPS

11/6/2000

11:41AM

FIG. 13

MS OFFICE SERVER FARM FOR LOS ANGELES

X

ASSIGN USER TYPES

USER TYPE DEFINITION

ENTER OR SELECT USER TYPE NAME:

MANAGERS

DEFINE USER TYPES

PLEASE SELECT A TYPING SPEED OPTION THAT BEST DESCRIBES YOUR USER TYPE:

TYPING SPEED OPTIONS

☐ NOT SIGNIFICANT
 ☒ AVERAGE TYPING SPEED 35 - 40 WPM
 ☐ AVERAGE TYPING SPEED 45 - 50 WPM
 ☐ GREATER THAN 50 WPM

LOGON

☒ LOGONS MOSTLY DONE AT ONE TIME
 ☐ LOGONS EVENLY DISTRIBUTED THROUGHOUT THE DAY

RUNNING APPLICATIONS

☐ GENERALLY RUNS ONLY ONE LINE-OF-BUSINESS (LOB) APPLICATION
 ☒ IN AND OUT OF APPLICATIONS QUICKLY
 ☐ MORE EXTENSIVE ACTIVITY - GENERALLY KEEPS APPLICATIONS OPENED AFTER USE

PRINTING

☐ NONE
 ☐ LIGHT
 ☒ MODERATE
 ☐ HEAVY

OK

CANCEL

APPLY

HELP

FIG. 14

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	<input type="checkbox"/>	X
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>FILE   EDIT   VIEW   WINDOW   HELP</span> </div>						
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>C:\PROGRAM FILES\TCSIZING\PATENTCONFIG11-9.TSC</span> <span>?</span> <span>X</span> </div>						
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW				
<p>APPLICATION TYPES _____</p> <p>AN APPLICATION TYPE INCLUDES THE INPUT, PROCESSING, AND OUTPUT OPTIONS THAT ARE TYPICAL TO AN APPLICATION. SUPPLYING INFORMATION ON THE APPLICATIONS THAT WILL BE RUNNING HELPS TO SIZE THE SERVER FARM TO SUFFICIENTLY HANDLE CLIENT DEMAND.</p> <p>CLICK ON A SITE, THEN CLICK ON A SERVER FARM TO DEFINE ITS APPLICATION TYPES.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SELECT A SITE:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">CHICAGO LOS ANGELES</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">VIEW</div> </div> <div style="width: 45%;"> <p>SELECT A SERVER FARM:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">MS OFFICE PAYROLL</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">HELP</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 20%;">&lt;BACK</div> <div style="border: 1px solid black; padding: 5px; width: 20%;">NEXT&gt;</div> <div style="border: 1px solid black; padding: 5px; width: 20%;">VIEW</div> <div style="border: 1px solid black; padding: 5px; width: 20%;">HELP</div> </div>						
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>READY</span> <span>CAPS</span> <span>11/6/2000</span> <span>11:41AM</span> </div>						

FIG. 15

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR			<input type="checkbox"/>	<input type="checkbox"/>	X
FILE   EDIT   VIEW   WINDOW   HELP					
MS OFFICE SERVER FARM FOR LOS ANGELES					
ASSIGN APPLICATION TYPES		DEFINE APPLICATION TYPES		?	X
APPLICATION ASSIGNMENT					
AVAILABLE APPLICATIONS:					
<div>ATTACHMATE TERMINAL EMULATORS IOCOOKER LDAll MICROSOFT INTERNET EXPLORER 4.0 MICROSOFT INTERNET EXPLORER 5.0 MICROSOFT OFFICE 2000 (ALL APPLICATIONS)</div>		<div>MS OFFICE APPLICATIONS  MS ACCESS 97 MICROSOFT INTERNET EXPLORER 5.0</div>		<div>ADD &gt;&gt;  &lt;&lt;REMOVE</div>	
<div>OK   CANCEL   APPLY   HELP</div>					
READY			CAPS	11/6/2000	11:41AM

FIG. 16

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR		_	□	X
FILE    EDIT   VIEW   WINDOW   HELP				
MS OFFICE SERVER FARM FOR LOS ANGELES		?	X	
ASSIGN APPLICATION TYPES		DEFINE APPLICATION TYPES		
APPLICATION DEFINITION				
ENTER OR SELECT APPLICATION NAME: MS ACCESS 97 ▼				
DISK SPACE REQUIRED FOR INSTALLATION: 40 MB				
MEMORY REQUIRED BY APPLICATION: 8 MB				
PLEASE SELECT ONE OF THE FOLLOWING ENVIRONMENT OPTIONS				
<input checked="" type="radio"/> 32-BIT APPLICATION <input type="radio"/> 16-BIT APPLICATION <input type="radio"/> MS-DOS APPLICATION				
<div>DETAILS&gt;&gt;</div>				
<div>OK    CANCEL    APPLY    HELP</div>				
READY		CAPS	11/6/2000	11:41AM

FIG. 17A

<b>E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR</b>				_	<input type="checkbox"/>	X						
<div style="display: flex; justify-content: space-between;"> <span>FILE</span> <span>EDIT</span> <span>VIEW</span> <span>WINDOW</span> <span>HELP</span> </div>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 5px;">MS OFFICE SERVER FARM FOR LOS ANGELES</td> <td style="width: 50px; text-align: center;">?</td> <td style="width: 50px; text-align: center;">X</td> </tr> <tr> <td style="width: 30%; padding: 10px; vertical-align: top;"> <div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> <b>ASSIGN APPLICATION TYPES</b> </div> <p style="text-align: center;">PLEASE SELECT AN OPTION FROM EACH OF THE FOLLOWING CATEGORIES THAT BEST REFLECT THE APPLICATION'S USAGE.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>APPLICATION INPUT</b></p> <p><input checked="" type="radio"/> GUI-BASED</p> <p><input type="radio"/> MOSTLY TEXT-BASED</p> </div> <div style="width: 30%;"> <p><b>APPLICATION PROCESSING</b></p> <p><input type="radio"/> LIGHT BACKGROUND PROCESSING</p> <p><input checked="" type="radio"/> HEAVY BACKGROUND PROCESSING</p> </div> <div style="width: 30%;"> <p><b>APPLICATION OUTPUT</b></p> <p><input checked="" type="radio"/> MOSTLY TEXT-BASED</p> <p><input type="radio"/> GRAPHIC-BASED</p> <p><input type="radio"/> ANIMATED GRAPHIC-BASED</p> </div> </div> </td></tr></table>							MS OFFICE SERVER FARM FOR LOS ANGELES			?	X	<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> <b>ASSIGN APPLICATION TYPES</b> </div> <p style="text-align: center;">PLEASE SELECT AN OPTION FROM EACH OF THE FOLLOWING CATEGORIES THAT BEST REFLECT THE APPLICATION'S USAGE.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>APPLICATION INPUT</b></p> <p><input checked="" type="radio"/> GUI-BASED</p> <p><input type="radio"/> MOSTLY TEXT-BASED</p> </div> <div style="width: 30%;"> <p><b>APPLICATION PROCESSING</b></p> <p><input type="radio"/> LIGHT BACKGROUND PROCESSING</p> <p><input checked="" type="radio"/> HEAVY BACKGROUND PROCESSING</p> </div> <div style="width: 30%;"> <p><b>APPLICATION OUTPUT</b></p> <p><input checked="" type="radio"/> MOSTLY TEXT-BASED</p> <p><input type="radio"/> GRAPHIC-BASED</p> <p><input type="radio"/> ANIMATED GRAPHIC-BASED</p> </div> </div>
MS OFFICE SERVER FARM FOR LOS ANGELES			?	X								
<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> <b>ASSIGN APPLICATION TYPES</b> </div> <p style="text-align: center;">PLEASE SELECT AN OPTION FROM EACH OF THE FOLLOWING CATEGORIES THAT BEST REFLECT THE APPLICATION'S USAGE.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>APPLICATION INPUT</b></p> <p><input checked="" type="radio"/> GUI-BASED</p> <p><input type="radio"/> MOSTLY TEXT-BASED</p> </div> <div style="width: 30%;"> <p><b>APPLICATION PROCESSING</b></p> <p><input type="radio"/> LIGHT BACKGROUND PROCESSING</p> <p><input checked="" type="radio"/> HEAVY BACKGROUND PROCESSING</p> </div> <div style="width: 30%;"> <p><b>APPLICATION OUTPUT</b></p> <p><input checked="" type="radio"/> MOSTLY TEXT-BASED</p> <p><input type="radio"/> GRAPHIC-BASED</p> <p><input type="radio"/> ANIMATED GRAPHIC-BASED</p> </div> </div>												

OK

CANCEL

APPLY

HELP

FIG. 17B

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				—	<input type="checkbox"/>	X
FILE EDIT VIEW WINDOW HELP						
C:\PROGRAM FILES\TCSIZING\PATENTCONFIG11-9.TSC				?	X	
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
USER TO APPLICATION RELATIONSHIPS						
THE NUMBER OF CONCURRENT USERS RUNNING AN APPLICATION AND THE TOTAL AMOUNT OF DISK SPACE REQUIRED FOR THE USERS OF AN APPLICATION MUST BE ALSO BE COLLECTED.						
CLICK ON A SITE, THEN CLICK ON A SERVER FARM TO DEFINE IT THIS INFORMATION.						
SELECT A SITE:						
<div>CHICAGO LOS ANGELES</div>		<div></div>				
<div>VIEW</div>		<div>&lt;BACK</div>		<div>NEXT&gt;</div>		<div>HELP</div>
READY						
		CAPS		11/6/2000		11:41AM

FIG. 18



E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

FILE

EDIT

VIEW

WINDOW

HELP

X

MS OFFICE SERVER FARM FOR LOS ANGELES

?

X

CONCURRENT USERS

DISK SPACE

CONCURRENT USER ASSIGNMENT

PLEASE DISTRIBUTE THE 750 CONCURRENT USERS ASSIGNED TO THE MS OFFICE SERVER FARM AMONG THE FOLLOWING APPLICATIONS AS A REPRESENTATION OF THE ACTIVE PROCESSING OCCURRING DURING AN OVERTIME PERIOD.

	DEVELOPERS	SUPPORT PERSONNEL
MS ACCESS 97	75	300
MICROSOFT INTERNET EXPLORER 5.0	75	300

OK

CANCEL

APPLY

HELP

READY

CAPS

11/6/2000

11:41AM

FIG. 19

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				<input type="checkbox"/>	<input type="checkbox"/>	X									
<div style="display: flex; justify-content: space-between;"> <span>FILE   EDIT   VIEW   WINDOW   HELP</span> </div>															
<div style="border: 1px solid black; padding: 10px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 10px;"> <div style="width: 80%;">MS OFFICE SERVER FARM FOR LOS ANGELES</div> <div style="width: 15%; text-align: center;">?</div> <div style="width: 5%; text-align: center;">X</div> </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 40%; text-align: center;">CONCURRENT USERS</div> <div style="width: 60%; text-align: center;">DISK SPACE</div> </div> <div style="border-bottom: 1px solid black; margin-bottom: 10px;">DISK SPACE ASSIGNMENT</div> <p style="text-align: center; font-size: 0.9em;">UNDER EACH USER TYPE, PLEASE ENTER THE TOTAL AMOUNT OF DISK SPACE REQUIRED IN MB FOR ALL USERS RUNNING EACH OF THE FOLLOWING APPLICATIONS.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 30%; text-align: center;">DEVELOPERS</th> <th style="width: 30%; text-align: center;">SUPPORT PERSONNEL</th> </tr> </thead> <tbody> <tr> <td>MS ACCESS 97</td> <td style="text-align: center;">125</td> <td style="text-align: center;">500</td> </tr> <tr> <td>MICROSOFT INTERNET EXPLORER 5.0</td> <td style="text-align: center;">125</td> <td style="text-align: center;">500</td> </tr> </tbody> </table> </div>					DEVELOPERS	SUPPORT PERSONNEL	MS ACCESS 97	125	500	MICROSOFT INTERNET EXPLORER 5.0	125	500	<div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <span>OK</span> <span>CANCEL</span> <span>APPLY</span> <span>HELP</span> </div>		
	DEVELOPERS	SUPPORT PERSONNEL													
MS ACCESS 97	125	500													
MICROSOFT INTERNET EXPLORER 5.0	125	500													
READY				CAPS	11/6/2000	11:41AM									

FIG. 20

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

FILE EDIT VIEW WINDOW HELP

C:\PROGRAM FILES\CSIZING\PATENTCONFIG11-9.TSC

NETWORK UTILIZATION

DISK CAPACITY

LICENSES

BASE SOLUTION

AVAILABILITY

OPTIONAL SOFTWARE

INTRODUCTION

INTERVIEW

CUSTOMER DATA

SIZING WIZARD

INTERVIEW CATEGORIES

☒ SITES

☒ SERVER FARMS

☒ USER TYPES

☒ APPLICATION TYPES

CONGRATULATIONS! YOU HAVE JUST COMPLETED THE INTERVIEW PROCESS.

ONCE YOU HAVE CLICKED FINISH, THE REMAINING TABS WILL THEN BE POPULATED WITH THE INFORMATION COLLECTED DURING THE INTERVIEW PROCESS AFTER IT HAS BEEN COMPILED WITH THE CURRENT PERFORMANCE BENCHMARKING RESULTS.

VIEW

<BACK

NEXT>

HELP

READY

CAPS

11/6/2000

11:41AM

FIG. 21

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				<input type="checkbox"/>	X
FILE EDIT VIEW WINDOW HELP					
C:\PROGRAM FILES\TCS\IZING\IPATENT\CONFIG11-9.TSC				?	X
NETWORK UTILIZATION		DISK CAPACITY		LICENSES	
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE	
INTRODUCTION		INTERVIEW		CUSTOMER DATA	
THIS CUSTOMER HAS 2 SITES WITH THE FOLLOWING REQUIREMENTS:				<input type="button" value="PRINT"/>	
<div><div>***** LOS ANGELES SITE *****</div><div>123 SOUTH BOOKSTONE STREET</div><div>LOS ANGELES TOTAL USERS: 1000</div><div>THE FOLLOWING DESCRIBES THE 2 SERVER FARM(S) LOCATED AT LOS ANGELES:</div><div>&lt;1&gt; MS OFFICE</div><div>PRIMARY ROLE: APPLICATION SERVER</div><div>CONCURRENT USERS CONFIGURED ON SERVER FARM: 750</div></div>					
READY				CAPS	11/6/2000 11:41AM

FIG. 22

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				<input type="checkbox"/>	X
FILE EDIT VIEW WINDOW HELP					
C:\PROGRAM FILES\TCS\IZINGIPATENTCONFIG11-9.TSC				?	X
NETWORK UTILIZATION		DISK CAPACITY		LICENSES	
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE	
INTRODUCTION		INTERVIEW		CUSTOMER DATA	
THE FOLLOWING IS THE MINIMUM SERVER CONFIGURATION RECOMMENDATIONS:				PRINT	
<div>***** LOS ANGELES SITE *****</div> <div>SERVER FARM &lt;1&gt; MS OFFICE [BASED ON 0 LIGHT, 375 MEDIUM, AND 375 HEAVY USERS]</div> <div>8 -&gt; ES2043 PENTIUM III XEON 500 MHZ USING WINDOWS NT 4.0 TSE WITH 4 PROCESSORS AND 2 GB RAM</div> <div>OR</div> <div>8 -&gt; ES2043 PENTIUM III XEON 550 MHZ USING WINDOWS NT 4.0 TSE WITH 4 PROCESSORS AND 2 GB RAM</div> <div>OR</div> <div>8 -&gt; ES2044 PENTIUM III XEON 550 MHZ USING WINDOWS NT 4.0 TSE WITH 4 PROCESSORS AND 2 GB RAM</div>					
READY				CAPS	11/6/2000 11:41AM

FIG. 23

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

FILE

EDIT

VIEW

WINDOW

HELP

X

C:\PROGRAM FILES\TCS\ZING\IPATENTCONFIG11-9.TSC

?

X

NETWORK UTILIZATION

DISK CAPACITY

LICENSES

BASE SOLUTION

AVAILABILITY

OPTIONAL SOFTWARE

INTRODUCTION

INTERVIEW

CUSTOMER DATA

AVAILABILITY CALCULATOR

SITE: LOS ANGELES

SERVER FARM: MS OFFICE

SERVER: ES2044 (550 MHZ) PENTIUM III XEON WITH R PROCESSORS AND WINDOWS NT

SCENARIO	1	2	3	4	ESTIMATE
ADJUSTED CONCURRENT NUMBER OF USERS	626	626	626	626	
SYSTEM REPAIR TIME (HOURS)	6	6	6	6	PRINT
REDUNDANCY FACTOR (%)	25	20	15	10	
ESTIMATED NUMBER OF SERVERS	10	9	9	8	RESET
ESTIMATED PEAK NUMBER OF USERS	880	792	792	704	

READY

CAPS

11/6/2000

11:41AM

FIG. 24A

## E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

FILE EDIT VIEW WINDOW HELP

	X

C:\PROGRAM FILES\TCSIZING\PATENTCONFIG11-9.TSC

$$\frac{x}{?}$$

NETWORK UTILIZATION	DISK CAPACITY	LICENSES
---------------------	---------------	----------

BASE SOLUTION	AVAILABILITY	OPTIONAL SOFTWARE
---------------	--------------	-------------------

INTRODUCTION	INTERVIEW	CUSTOMER DATA
--------------	-----------	---------------

## AVAILABILITY CALCULATOR

SITE:	LOS ANGELES	SERVER FARM:	MS OFFICE
			▶

SERVER:	ES2044 (550 MHZ) PENTIUM III XEON WITH R PROCESSORS AND WINDOWS NT
---------	--

SCENARIO	1	2	3	4
ESTIMATED NUMBER OF BENEFICIARY SERVICES	2	4	4	5

ESTIMATED SERVER FARM MTTF (HOURS)	Z	I	I	0
	73,069	3,616	3,616	150
	88,884	88,884	88,884	88

ESTIMATED AVAILABILITY (%)	
99.9918	99.8341
99.9918	99.8341

ESTIMATED DOWNTIME (HOURS/YEAR)	0.72	14.53	14.53	350.4	RESET
---------------------------------	------	-------	-------	-------	-------

# READY

# CAPS

11/6/2000

11:41 AM

**FIG. 24B**

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	<input type="checkbox"/>	X
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>FILE   EDIT   VIEW   WINDOW   HELP</span> </div>						
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>C:\PROGRAM FILES\TCS\ZINGIPATENTCONFIG11-9.TSC</span> <span>?</span> <span>X</span> </div>						
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<p>THE FOLLOWING IS A SUMMARY OF THE REQUIREMENTS FOR OPTIONAL SOFTWARE:</p> <div style="text-align: right; margin-bottom: 10px;"> <input type="button" value="PRINT"/> </div> <div style="border: 1px solid black; padding: 10px; min-height: 200px;"> <p>SERVER FARMS CONFIGURED WITH MORE THAN ONE SERVER REQUIRE LOAD BALANCING. THE CITRIX METAFRAME ADD-ON WILL BE NEEDED TO PROVIDE THIS FUNCTIONALITY.</p> <p style="text-align: center;">***** CHICAGO SITE*****</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>&lt;1&gt; WHATEVER</p> <p>NO EXTRA FEATURES/CAPABILITIES WERE SELECTED.</p> </div> <div style="width: 45%;"> <p>***** LOS ANGELES SITE*****</p> <p>&lt;1&gt; MS OFFICE</p> <p>NO EXTRA FEATURES/CAPABILITIES WERE SELECTED.</p> <p>&lt;2&gt; PAYROLL</p> </div> </div> </div>						

FIG. 25



E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	□	X
<u>F</u> ILE <u>E</u> EDIT <u>V</u> IEW <u>W</u> INDOW <u>H</u> ELP						
C:\PROGRAM FILES\TCS\ZINGIPATENTCONFIG11-9.TSC						
?   X						
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">THE FOLLOWING IS A SUMMARY OF THE NETWORK UTILIZATION:</p> <div style="text-align: center; margin: 10px 0;"> <p>***** CHICAGO SITE*****</p> <p>SERVER FARM &lt;1&gt; WHATEVER</p> <p>ES2043 (500 MHZ) USING WINDOWS NT 4.0 TSE NETWORK UTILIZATION:</p> <p>-----</p> <p>ADJUSTED CONCURRENT NUMBER OF USERS: 335</p> <p>ESTIMATED NETWORK ACTIVITY: 7,500 KBPS</p> <p>ES2043 (550MHZ) USING WINDOWS NT 4.0 TSE NETWORK UTILIZATION:</p> <p>-----</p> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between;"> <span>◀</span> <span>▶</span> </div> </div>						

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR				_	<input type="checkbox"/>	X
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>FILE   EDIT   VIEW   WINDOW   HELP</span> </div>						
<div style="display: flex; justify-content: space-between; padding: 5px;"> <span>C:\PROGRAM FILES\CSIZING\PATENT\CONFIG11-9.TSC</span> <span>?   X</span> </div>						
NETWORK UTILIZATION		DISK CAPACITY		LICENSES		
BASE SOLUTION		AVAILABILITY		OPTIONAL SOFTWARE		
INTRODUCTION		INTERVIEW		CUSTOMER DATA		
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>THE FOLLOWING IS A SUMMARY OF THE DISK CAPACITY REQUIREMENTS:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">***** LOS ANGELES SITE *****</p> <p>&lt;1&gt; MS OFFICE</p> <p>MS ACCESS 97:</p> <p style="margin-left: 40px;">INSTALLATION: 40 MB   USERS: 625 MB</p> <p style="margin-left: 40px;">MICROSOFT INTERNET EXPLORER 5.0:</p> <p style="margin-left: 40px;">INSTALLATION: 70 MB   USERS: 625 MB</p> <p style="margin-left: 40px;">MS OFFICE DISK CAPACITY GRAND TOTAL: 1.36 GB</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">PRINT</p> </div> </div> </div>						
<div style="display: flex; justify-content: space-between;"> <span>READY</span> <span>CAPS</span> <span>11/6/2000</span> <span>11:41AM</span> </div>						

FIG. 27

E-@CTION APPLICATION DELIVERY SOLUTION CONFIGURATOR

X

FILE EDIT VIEW WINDOW HELP

C:\PROGRAM FILES\TCS\IZING\PATENTCONFIG11-9.TSC

?X

NETWORK UTILIZATIONDISK CAPACITYLICENSES

BASE SOLUTION

AVAILABILITYOPTIONAL SOFTWARE

INTRODUCTIONINTERVIEWCUSTOMER DATA

THE FOLLOWING IS A SUMMARY OF THE LICENSING REQUIREMENTS:

PRINT

TO BE DEVELOPED.

READYCAPS11/6/200011:41AM

FIG. 28